Mario **Torres**

SOFTWARE ARCHITECT · FULL STACK ENGINEER

Mexico City, Mexico

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Summary

Full Stack Engineer with demonstrated experience in web technologies, data visualization and telecommunications. Expertise in Web development, data science, data visualization, database technologies, parallel and distributed computing.

Education

Instituto Tecnológico Superior de Poza Rica   *Poza Rica Veracrúz, Mexico*

B.S. IN COMPUTER SYSTEMS ENGINEERING   *2005 - 2010*

Instituto Politécnico Nacional   *Mexico City, Mexico*

MSc IN COMPUTER SCIENCE   *2010 - 2013*

Skills

Programming	Javascript, Python, C/C++, Java, PHP, R, LaTeX
Machine Learning	Tensorflow, Keras, Scikit-learn
Back-end	Express, Django, Flask, Laravel, REST API, GraphQL, Hadoop
Front-end	React, Redux, CSS, Material UI
Databases	MongoDB, PostgreSQL, MySQL, SQLite, Neo4j, Eleasticsearch
DevOps	Docker, Kubernetes, Git, Cron, Make, Nginx
Languages	Spanish, English

Experience

National Anti-corruption Secretariat   *Mexico City*

GENERAL DIRECTOR   *Jul. 2018 - Present*

- Designed the technological architecture of Mexico's National Digital Platform (PDN). The PDN is an API based web platform that allows interconnecting information systems with heterogeneous architectures and key anti-corruption data such as procurement, audits, sanctions and complaints.
- Led the technical team to develop data standards, synthetic data generators and web applications aimed at combating corruption.

Office of the President of Mexico, Open Government Data Section   *Mexico City*

WEB DEVELOPER & TECHNICAL ADVISOR   *Apr. 2016 - Jul. 2018*

- Developed several information systems and data visualization web applications to increase transparency and accountability of the Federal Public Administration of Mexico.
- Designed and implemented an interoperability solution that allows supplying information to the Open Contracting Platform of the Federal Government of Mexico. The interoperability solution allows the integration of data that come from the public procurement information systems of the Government of Mexico.
- Participated as a technical advisor in the development of guidelines on open data. With the entry into force of the Mexico's FinTech Law, participated in the development of the pilot for the implementation of an Open Banking Standard for Mexico.

Pictoline Media   *Mexico City*

CHIEF TECHNOLOGY OFFICIER   *Mar. 2017 - Sep. 2017*

- Coordinated the Pictoline's development team.
- Developed a web application that allowed to follow up publications on social networks and visualize its performance (reach, reactions, etc.) across time.
- Collaborated in the development of a web system for publication on social networks such as Facebook, Twitter, Instagram, Tumblr, Pinterest and Imgur.
- Developed a web application that allowed to integrate and compare news from social networks and websites. The application was aimed at detecting common trends in different social networks.

Instituto Federal de Telecomunicaciones

Mexico City

TELECOMMUNICATIONS ENGINEER

Aug. 2014 - Mar. 2016

- Participated in the development of a system to measure quality in the cellular mobile service. I contributed mostly in the development of system's back-end and with a web application for results visualization.
- I was appointed on several occasions as an expert in telecommunications engineering and computer systems. during sanctioning processes against service providers.
- Participated in the development of guidelines and technical standards in telecommunications

Gesfor Mexico Services

Mexico City

DEVOPS ENGINEER

Feb. 2014 - Jul. 2014

- Worked as System Administrator. Being responsible for the operation of Solaris/Linux/Windows based servers and Sybase/SQL Server databases.
- Developed a reporting tool using Java and SQLite (database engine).